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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/670,729 | 09/26/2003 | Tim Yu | 2450-0554P | 6626 |

2292 7590 11/29/2004

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| EXAMINER |
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PHILOGENE, HAISSA

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| ART UNIT | PAPER NUMBER |
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2828

DATE MAILED: 11/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/670,729

Applicant(s)

YU ET AL.

Examiner

Haissa Philogene

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION***Claim Objections***

Claims 1-6 are objected to because of the following informalities: In claim 1, line 7, change "the" before "same frequency" to --a--; in line 8, change "a sampling unit" to --a plurality of sampling units--and "detected" to --coupled--; in line 11, change "unit" to --units--. In claim 3, lines 2-3, change "is a power transistor" to --are power transistors--. In claim 4, line 2, change "is a capacitor" to --are capacitors--. In claim 5, line 2, change "is a fluorescent lamp" to are fluorescent lamps--. In claim 6, line 2, change "is a signal line" to --are signal lines--. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As per claim 1, the phraseology "a sampling unit, each sampling unit detected to one of the lamps for sampling current thereof; and a control driving unit being electrically coupled to said sampling unit so as to stabilize the current of the lamps" is confusing. It appears that Applicant meant to write --a **plurality of** sampling units, each sampling unit ~~detected~~ **coupled** to one of the lamps for sampling current thereof; and a control driving unit being electrically coupled to said sampling units so as to stabilize the current of the lamps--.

As per claim 2, the phraseology "said power amplification unit comprises a power amplification element, a store element, a resistors, an inductor, a transformer, a lamp and a conducting wire so that a secondary winding of said transformer is adapted to provide said synchronous signals to said power amplification element for conducting in cooperation with said store element, said resistors and said conducting wire, said conducted power amplification element are adapted to control said coupled lamp, and said secondary winding of said transformer has a plurality of sets of coil each for controlling said coupled lamp" is confusing. It appears that Applicant meant to write -- said power amplification unit comprises power amplification elements, store elements, resistors, an inductor, a transformer, a lamp and conducting wires so that a secondary winding of said transformer is adapted to provide said synchronous signal to **power amplification elements of a second power amplification unit** for conducting in cooperation with said store elements, said resistors and said conducting wires, said conducted power amplification elements are adapted to control said coupled lamp, and said secondary winding of said transformer has a plurality of ~~sets of coil each~~ **coils** for controlling said coupled lamp--.

Applicant is required to clarify these matters.

Claims 3-6 are rejected by virtue of their dependencies on claims 1 and 2.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Chiang et al., Patent No. 6,420,839.

As per claim 1, Chiang discloses in Fig.3 a frequency synchronization device for an LCD having a plurality of lamps (Lps, Lpm) as a background light source (see Col.6, line 58 and Col.2, lines 2-4) comprising a power amplification unit (Qn, Qp) arranged in loop, said power amplification unit being electrically coupled to one of said lamps (Lps), adapted to generate a synchronous signal and adapted to send said synchronous signal to said coupled lamp (Lps) for causing the lamps to operate a same frequency since the operating frequency is synchronized; a plurality of sampling units (Rs, Rm), each coupled to one of the lamps for sampling current thereof; and a comparator 22 readable a control driving unit (as it drives Qn and Qp) being electrically coupled to said sampling units (Rs, Rm) so as to stabilize the current of the lamps (see Col.4, lines 44-49).

As per claim 5, Chiang discloses the lamps being fluorescecent lamps or CCFLs (see Col.2, lines 2-3).

Allowable Subject Matter

Claims 2-4 and 6 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Yu, Patent No. 6,750,842; Hwang, Pub. No. 2002/0003525.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Haissa Philogene whose telephone number is (571) 272-1827. The examiner can normally be reached on 6:30 A.M.-6:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MinSun Harvey can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

hp

Haissa Philogene
Primary Examiner
A.U. 2828
